

250

GATEWAY LOGIC

RECONFIGURABLE
ATM ADAPTION LAYER2

XDSL
CPE
STREAM

- VOICE
- FAX
- MULTIMEDIA WITH QoS
- TCP/IP INTERNET SERVICES

GATEWAY
FIREWALL

MICROPROCESSOR

208

252

210

RADIO SECTION

TUNER MODULES

- DBS
- UHF
- VHF
- CABLE

260

DEMODULATORS

- QPSK
- QAM
- VSB
- INTSC
- OTHER

204

DECODERS

206

RADIO TRANSMITTER

232

231

BPF

236

MODULATOR

218

PUNCTURE ENCODER

122

PUNCTURE
PROCESSOR

122

TRELLIS
ENCODER

214

REED
SOLOMON
ENCODER

216

112

ADAPTIVE GATEKEEPER

254

CPU

110

256

RADIO RECEIVER

242

BPF

240

246

LQ

244

238

DEMODULATOR

220

DECODER

222

FIG. 2

200

201

230

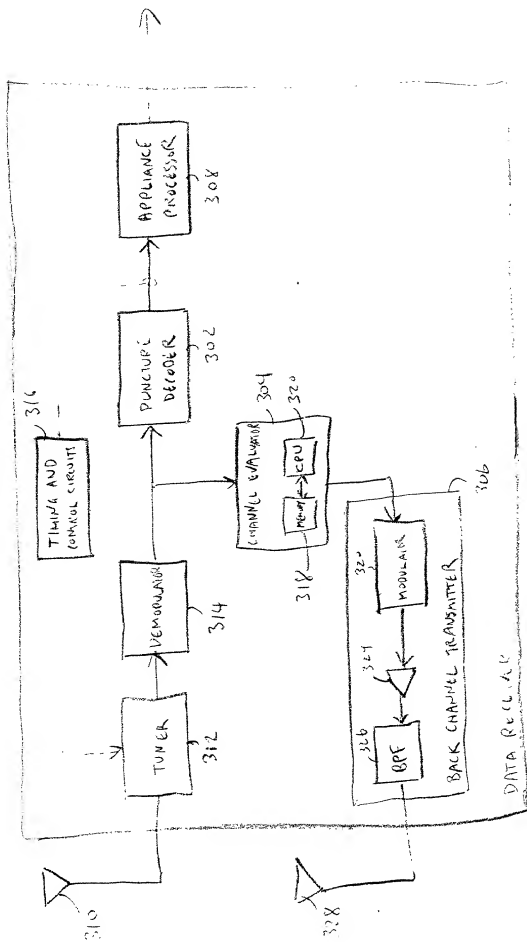


FIG. 3